

DESCRIPTION

This invention relates to an improved douche, colon and genital cleansing device and especially as an improvement to the reusable douche, colon and genital cleansing preparation container, and its components. Its are capable of being used while seated on a toilet or standing in a tub.

BACKGROUND OF INVENTION

Many women find rinsing away remaining sanguine fluid a beneficial aspect of douching shortly after the menstrual cycle. Colon cleansing also provides a health benefit to the user. While approximately the majority of women in this country douche, all cleanse externally. Colon cleansing is also a process that is beneficial to both female and their male counterparts. Presently, by today's standards, the available douches and enema preparations are regarded for the most part as safe, convenient, but are ineffective in volume for proper cleansing. The need for multiple containers is required to perform an effective cleansing.

In addition, disposable douches create more waste for the environment, they also have the propensity to allow air into the vagina. This consequently can cause painful discomfort to the user. Another problem associated with disposable douches is the possibility of a backflush which will occur if the user releases prior art squeeze bottles without removing the transfer nozzle from vaginal or anal cavity. The result of this is the contamination of the preparation within the container. A study published by the American Journal of Public Health states, douching often may reduce a woman's chance of becoming pregnant during a particular month by approximately thirty percent. Douching often changes the delicate chemical balance of the vagina and can make a woman more susceptible to vaginal irritations and infections.

Prior art of reusable douche/enema devices are constructed of rubber and the douche/enema preparation is administered directly from the rubber bag. These types of douche/enema bags are very dangerous. It has been found that these rubber douche/enema bags harbor a perfect environment for a variety of pathogens. This increases their ineffectiveness, the introduction of air into the vaginal or anal cavity and potential danger due to pathogen growth within the rubber bag. Also prior art advocated the use of tap water which by today standards is not acceptable for internal use.

THE OBJECT OF THIS INVENTION

It is the intent of the present invention to provide an improved, reusable douching, enema and genital cleansing delivery device, a cleansing that is safe, convenient and efficient while seated on a toilet or standing in the tub respectfully.

Another intent is to avoid the problems associated with prior art douching and enema devices.

A further intent of this invention is to provide a volume sensitive valve to dramatically reduce the introduction of air into the vagina or anal cavity.

A still further intent is to prevent the backflush effect that will contaminate the preparation in the container when administering a douche or enema preparation. This is accomplished via the use of a ball check incorporated below the control valve.

Another intent of this invention is to facilitate the use of the hygienic feminine/colon and genital cleansing device by allowing the one hand manipulation of said device.

Furthermore, the use of Microban Technology will inhibit the growth of bacteria within the container and it's components.

SUMMARY OF INVENTION

In accordance with the invention, the douche/enema and genital cleansing device incorporates a rigid /flexible container, a retainer secured to lower most portion of rigid/flexible container, an adequate length of flexible hollow tubing affixed to the lower portion of said retainer, a control valve connected to the lower most portion of the flexible hollow tubing, a short length of flexible hollow tubing connected to lower most portion of the control valve and the nozzle of choice connected to the lower most portion of short flexible hollow tube.

In a preferred embodiment of the invention, the container is constructed of flexible or rigid plastic that is formulated with Microban technology. The additional components of the device are also formulated with the same Microban technology.

With the use of Microban technology this invention can provide the user with a reusable, pathogen free hygienic cleansing device that is more economical, earth friendly and easy to use

In the invention, the container is capable of holding and administering one quart of the chosen preparations for each of the various cleansing application.

Another aspect of the flexible container is that it can be constructed in an accordion shape so that it is more compact and therefore requires less storage area.

This invention can also serve as a device for medical cleansing at home, in hospitals or when traveling.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1A is a frontal view of the rigid preparation container with a removable vented fill cap and strapping groove.

FIG. 1B is a top view of the volume sensitive.

FIG. 1C is a frontal view of the retainer with barbed tube.

FIG. 2 is a frontal view of the flexible preparation container with hanging eyelets and removable vented fill cap.

FIG. 3A is a top view of the container and removable vented fill cap.

FIG. 3B is a side view of the removable vented fill cap.

FIG. 4 is a side view of the flexible hollow tubing with control valve, ballcheck and short flexible tubing.

FIG. 5A is a view of the top of the ball check.

FIG. 5B is a side view of the control valve with ball check and barbed rigid tubes.

FIG. 5C is a view of the bottom of the ball check.

FIG. 6A is a side view of the vaginal cleansing nozzle.

FIG. 6B is a side view of the colon cleansing nozzle.

FIG. 6C is a side view of the genital cleansing nozzle.

FIG. 6D is a bottom view of the vaginal cleansing nozzle.

FIG. 6E is a bottom view of the colon cleansing nozzle.

FIG. 6F is a bottom view of the genital cleansing nozzle.

DESCRIPTION OF A PREFERRED EMBODIMENT

Referring to FIG. 1A, the ideal quintessence of the reusable feminine/colon and genital cleansing device of the present invention it consists of a vented fill cap 28, a rigid transparent container 22, a groove 23 that is incorporated around the widest point of rigid transparent container 22 which is used to hold container 22 in an optional storing case. The container 22 is preferably shaped like the female uterus with a threaded removable vented cap 28 screwed onto the internal threads 19 on the top of container. Vented cap 28 has a thumb turn 15 incorporated onto it to allow the opening and closing of the venting area and two stop tabs 17 to limit the turning radius of the vented cap 28 and aid in the removal or replacing of the vented cap 28. A volume sensitive valve 27 is installed within the internal threads 18 of the retainer 24. The internal threads 18 of the retainer 24 are matched and attached to the external threads 25 on container 20 or 22.

Containers 20 or 22 are constructed of a durable rigid/flexible transparent plastic ex: polyethylene, that is formulated with Microban technology. Containers 20 or 22 must be capable of holding approximately one quart of any of the varied preparations. Containers 20 and 22 must be constructed of a transparent plastic to facilitate the viewing of the preparation or fluid level.

Referring to FIG. 1B, depicts a volume sensitive valve 27.

Referring to FIG. 1C, depicts an internally threaded 18 retainer 24 with volume sensitive valve 27 and a barbed tube 26.

Referring to FIG. 2, as shown incorporates all the attributes of the invention as shown in FIG. 1A, but is constructed of a pliable transparent plastic, which can collapse like an accordion so that it may be carried in a small portable pouch with hanging eyelets 21 that are located on both sides of container 22. Internal threads 18 on retainer 24 are attached to the external threads 25 on either container 20 or 22. A flexible transparent hollow tubing 36 is connected to the rigid hollow transparent barbed tube 26 on retainer 24. The opposite end of the flexible hollow tubing 36 is connected to the top of control valve 32, then a short flexible hollow transparent tubing 33 is connected onto bottom of control valve 32. The douche, enema and genital cleansing device has three cleansing nozzles, one is for vaginal cleansing 38, another is for colon cleansing 39 and the third is for external cleansing 40. Any of these nozzles can be attached to the short flexible transparent tubing 33.

Referring to FIG. 3A, depicts a top view of the vented fill cap 28 with plastic mesh 16 for venting, thumb turn 15 and stop tabs 17. This vented cap can be used on either container 20 or 22.

Referring to FIG. 3B, depicts a side view of the vented fill cap 28 with thumb turn 15 and external threads 14.

Referring to FIG. 4, depicts a flexible hollow transparent tube 30 with control valve 32, thumb turn 31 and short flexible hollow tubing 33.

Referring to FIG. 5A, depicts the opening 34 at the top portion of the ball check 35.

Referring to FIG. 5B, depicts the control valve 32, thumb turn 31 with barbed rigid tubes 36, and ball check 35.

Referring to FIG. 5C, depicts the opening 37 at the bottom portion of the ball check 35.

Referring to FIG. 6A, depicts the vaginal nozzle 38 with external threads 44 for attaching onto short flexible hollow tube 33.

Referring to FIG. 6B, depicts the enema nozzle 39 with external threads 44 for attaching onto short flexible hollow tube 33.

Referring to FIG. 6C, depicts the genital cleansing nozzle 40 with external threads 44 for attaching onto short flexible hollow tube 33.

Referring to FIG. 6D, depicts the bottom end 41 of the vaginal cleansing nozzle 38.

Referring to FIG. 6D, depicts the bottom end 42 of the enema nozzle 39.

Referring to FIG. 6F, depicts the bottom end 43 of the genital cleansing nozzle 40.